



LONG ISLAND UNIVERSITY

SCIENCE ENGINEERING RESEARCH GROUP

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CR-133081

ERTS 069

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ADDRESS REPLY TO:
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15 February 1973

National Aeronautics & Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period
December 15, 1972 to February 15, 1973

This document is submitted herewith in reference to Contract No.
NAS5-21793 and includes the following:

- A) Title of the Investigation: In Situ Spectroradiometric
Quantification of ERTS Data
- B) GSFC Identification Number: UN 295 (Dr. Edward Yost)
- C) An overall analysis of the imagery received from NASA for
the test sites in consideration was performed. Candidate
frames for additive color analysis were selected for the
Phase III activity under this contract which is planned to
start in April.
- D) A multispectral photo analysis of the Willcox Playa was
also made using ERTS imagery on three consecutive overpasses.
The results of the analysis showed that a time sequential
multispectral color presentation relates color to environ-
mental changes as a function of time, rather than spectral
changes for any single date. Since the primary mission of
ERTS is to detect changes in the environment, it is believed
that this mode of data reduction would be employed further
in conjunction with the conventional techniques.

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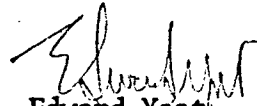
2 pp.

(E73-10737) IN SITU SPECTRORADIOMETRIC
 QUANTIFICATION OF ERTS DATA Progress
 Report, 15 Dec. 1972 - 15 Feb. 1973
 (Long Island Univ.) 2 p HC \$3.00
 CSCL 05B G3/13 00737
 Unclassified
 N73-26343

ERTS 069 Type I Progress Report continued ...

- E) Up to this date no changes are expected in the Data Analysis Plan. Underflight imagery under the Aircraft Program has been received and is currently being viewed. Correlation of the aircraft imagery with the ERTS imagery is planned for the next reporting period.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Edward Yost', is written over the typed name.

Edward Yost
Professor and Director